


C-A TPL 03-02 REQUIREMENTS FOR EXTRACTING BOOSTER BEAMS INTO BAF

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Hand Processed Changes

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Reviewed by:  10-16-02
 Date

Approved by: R. Kaul For E. LESSARD 10-16-02
 Assoc. Chairman for ESHQ Date

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C-A TPL 03-02 REQUIREMENTS FOR EXTRACTING BOOSTER BEAMS INTO BAF

1. Purpose

1.1 The purpose of this procedure is to provide instructions to MCR Operators that ensure safe conditions exist before extracting particles from the Booster into the BAF after a change to operating conditions, as outlined in paragraph 1.1.1, has occurred.

1.1.1 A change to operating conditions for Booster/BAF are defined as:

1.1.1.1 Change of a particle species

1.1.1.2 Restoration of beam to BAF following a scheduled or unscheduled shutdown of 8 hours or more.

1.1.1.3 Restoration of beam to BAF after the Booster, or the BAF stub tunnel (Z3), or the BAF transport line (Z2) have been in the Restricted Access state.

2. Responsibilities

2.1 The MCR Operators are responsible for the execution of this procedure.

3. Prerequisites

3.1 The target group for this procedure is the BAF Commissioning team Leader, MCR Operators and Operations Coordinators (OC).

3.2 The training requirement for this procedure is read and sign.

3.3 The minimum number of staff members that need to be trained in order for this procedure to be effective is three, one BAF Commissioning team leader, one OC and one operator.

4. Precautions

4.1 BAF is also called NSRL.

5. Procedure

5.1 To permit Booster Slow Extraction during BAF Commissioning.

5.1.1 The operator shall execute checklist TPL 03-02 Att.8.1

5.1.2 The OC signs the completed Checklist giving permission to open TtB beam stops.

5.1.3 Operator enables critical devices.

5.2 To permit Booster Slow Extraction during routine Operations.

<p style="text-align: center;">Note: During Radiobiology, the checklist need not be executed after each access.</p>

5.2.1 The operator shall execute checklist TPL 03-02 Att.8.1

5.2.2 The OC signs the completed Checklist giving permission to open TtB beam stops

5.2.3 Operator enables critical devices.

5.3 File the completed checklist in the Booster/BAF Extraction Checklist Binder

6. Documentation

6.1 TPL 03-02 Attachment 8.1 – Booster/BAF Extraction Checklist

7. References:

7.1 None.

8. Attachments:

8.1 TPL 03-02 Attachment 8.1 – Booster/BAF Extraction Checklist

TPL 03-02 Attachment 8.1 – Booster/BAF Extraction Checklist

Date _____ Time (24 hour clock) _____

Check

In /pet/FECs/Instrumentation/BAF

- _____ 1. Profile Monitors and Ion Chambers, **if** not required, are retracted
- _____ 2. Flags, **if** not required, are retracted

On BAF PanelView

- _____ 3. Three BAF zones in No Access (NA)
- _____ 4. BAF Dump Shutter Out
- _____ 5. BAF Line Valve Out

Operations Coordinator signs giving permission to Open Beam Stops

- _____ 6. Critical Devices Enabled

Operator Completing Checklist _____